

# **Acousto-optical wave-fronts transformation under conditions of multi-pulses excitation of three-level system**

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## **Abstract**

The problem of coherent acousto-to-optic image transformation in solid-state three-level systems is theoretically studied. The graphical method of calculation of coherent responses of such systems is used. Developing method of acousto-to-optic wave-fronts transformation is of interest for processing and visualization of acoustic images of the objects which are being in sea water.

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## **Keywords**

Acousto-optical wave-fronts transformation, Graphical method of calculation, Photon echo